

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An object positioning system—~~(100)~~, comprising:

a first base station ~~(120)~~ for determining a location of an object ~~(142, 152)~~ based upon an object-related signal;

an object-attachable tag ~~(140, 150)~~; and

a portable transceiver ~~(160)~~, comprising:

a receiver arrangement ~~(161, 163)~~ for receiving a signal from the tag ~~(140, 150)~~;

a signal processor ~~(164)~~ for converting the signal into the object-related signal; and

a transmitter arrangement ~~(162, 165)~~ for sending the object-related signal to the first base station ~~(120)~~, after the portable transceiver stops receiving the signal from the tag.

2. (Currently amended) ~~An~~ The object positioning system ~~(100)~~ as claimed in claim 1, wherein the first base station ~~(120)~~ ~~comprises~~ a receiver (122) is coupled to a database (124).

3. (Currently amended) ~~An~~ The object positioning system ~~(100)~~ as claimed in claim 1, wherein the signal processor ~~(164)~~ is arranged to include a transceiver identification code in the object-related signal.

4. (Currently amended) ~~An~~ The object positioning system ~~(100)~~ as claimed in claim 1, wherein the ~~signal processor (164)~~ comprises a signal amplifier transmitter arrangement is configured to only send the object-related signal to the first base station when the portable transceiver stops receiving the signal from the tag.

5. (Currently amended) ~~An~~ The object positioning system ~~(100)~~ as claimed in claim 1, wherein the portable transceiver ~~(160)~~ comprises an implementation of a signal transmission collision-avoidance mechanism.

6. (Currently amended) ~~An~~ The object positioning system ~~(100)~~ as claimed in claim 1, comprising a further portable transceiver ~~(170)~~; comprising:

a further receiver arrangement for receiving the signal;

a further signal processor for converting the signal into a further object-related signal; and

a further transmitter arrangement for sending the further object-related signal to the base station ~~(120)~~.

7. (Currently amended) ~~An~~ The object positioning system ~~(100)~~ as claimed in claim 6, wherein the transmitter arrangement ~~(162)~~ is arranged to send the object-related signal at a first frequency, and the further transmitter arrangement is arranged to send the further object-related signal at a second frequency, the first frequency being different ~~to~~ than the second frequency.

8. (Currently amended) ~~An~~ The object positioning system ~~(100)~~ as claimed in claim 6, wherein the transmitter arrangement ~~(162)~~ is arranged to send the object-related signal with a first synchronized delay upon receiving the signal, and the further transmitter arrangement is arranged to send the further object-related signal with a second synchronized delay upon receiving the signal, the first synchronized delay being different ~~to~~ than the second synchronized delay.

9. (Currently amended) ~~An~~ The object positioning system ~~(100)~~ as claimed in claim 1, wherein:

the tag ~~(140, 150)~~ is a passive tag responsive to an activation signal; and

the portable transceiver ~~(160)~~ comprises a further transmitter arrangement for providing the tag ~~(140, 150)~~ with the activation signal.

10. (Currently amended) ~~An~~ The object positioning system ~~(100)~~ as claimed in claim 1, further comprising a second base station ~~(126)~~ and a third base station ~~(128)~~; the first base station ~~(120)~~, the second base station ~~(126)~~ and the third base station ~~(128)~~ being arranged to cooperate in positioning the location of the object ~~(142, 152)~~ by means of a triangulation measurement of the object-related signal.

11. (Currently amended) ~~A base station (120) for use in an object positioning system (100)~~ The object positioning system as claimed in claim 1, the base station ~~(120)~~ being arranged to track ~~a~~ the location of an object responsive to ~~an~~ the object-related signal from ~~a~~ the portable transceiver.

12. (Currently amended) A portable transceiver ~~(160)~~ for use in an object positioning system ~~(100)~~ ~~as claimed in claim 1~~, the portable transceiver ~~(160)~~ comprising:

a receiver arrangement ~~(161)~~ for receiving a signal from a tag;

a signal processor ~~(164)~~ for converting the signal into an object-related signal; and

a transmitter arrangement ~~(162)~~ for sending the object-related signal to a first base station, after the transmitter arrangement stops receiving the signal from the tag.

13. (Currently amended) A ~~The~~ portable transceiver ~~(160)~~ as claimed in claim 12, wherein the signal processor ~~(164)~~ is arranged to include a transceiver identification code in the object-related signal.

14. (Currently amended) A ~~The~~ portable transceiver ~~(160)~~ as claimed in claim 12, wherein ~~the signal processor (164) comprises a signal amplifier~~ transmitter arrangement is configured to only send the object-related signal to the first base station when the portable transceiver stops receiving the signal from the tag.

15. (Currently amended) A—The portable transceiver ~~(160)~~—as claimed in claim 12, wherein the portable transceiver ~~(160)~~ comprises an implementation of a collision-avoidance mechanism.

16. (Currently amended) A—The portable transceiver ~~(160)~~—as claimed in claim 12, wherein the portable transceiver ~~(160)~~ comprises a further transmitter arrangement for providing the tag with an activation signal.

17. (Currently amended) A—The portable transceiver ~~(160)~~—as claimed in claim 12, the portable transceiver ~~(160)~~—being integrated in a wearable item.

18. (Currently amended) A—The portable transceiver as claimed in claim 12, comprising a data storage for storing the position of the object.

19. (Currently amended) A method of positioning a location of an object—~~(300)~~, the method comprising the steps of:

sending a signal from a tag to a portable transceiver—~~(320)~~;

converting the signal to an object-related signal—(340);
sending the object-related signal to a base station—(360); and
determining the position of the portable transceiver sending
the object-related signal—(370); and
associating the position of the object with the determined
position of the portable transceiver—(380) after the portable
transceiver stops receiving the signal from the tag.

20. (Currently amended) A—The method as claimed in claim 19,
wherein the step of sending the object related signal to a base
station (360)—comprises the sub steps of:

sending a first part of the object-related signal upon
establishing a communication with the tag; and

sending a second part of the object related signal upon after
terminating the communication with the tag.

21. (Currently amended) A—The method as claimed in claim 19,
wherein the step of sending a signal from a tag to a portable
transceiver (320)—is preceded by activating the tag with an
activation signal from the portable transceiver—(310).